

Work Order ID 140956

140956

Page 1

January 26, 2016 11:18:50 AM

Ship ASAP

Item ID: 646.4001 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: AS350 Cable Cutter System
 Start Date: 1/26/2016 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 3/7/2016 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: SH Date: 01/26/2016 Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
646.4000	B

100 Document Control 0.00
100
 DC Memo 0.00
 Doc.Control -USB or Paperwork Photocopy bluefile & type labels per PPP 646.4001

DAS
27
9-89

MAR 3 2016

110 Pick Kit 0.00
110
 Packaging Memo 0.00
 Packaging

DAS
27
9-89
FEB 09 2016

120 QC4- 100% Inspect kits for completeness 0.00
120
 QC Memo 0.00
 Quality Control

DAS
27
9-89
MAR 3 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :			
Misidentified	☐	Past Due	☐				

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Item ID: 646.4001 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: AS350 Cable Cutter System
 Start Date: 1/26/2016 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 3/7/2016 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP 646.4001 Location: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

SM
 Mar 3, 2016

Sold

16/03/30

MF
 16-3-30

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 140956

140956

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM
IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM IPP
REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3301 *646.3301* Upper Cutter Assy <i>Shp</i>		Manufactured	No			110	Each	4.0000	**	1		1/1/90 <i>SP - MC</i>	
Location cck018 136497 140115 Loc Qty 4 2 2 Loc Code													
646.3001 *646.3001* Lower Cutter Assy 27 9-89		Manufactured	No			110	Each	0.0000	**	1		1/4/85 <i>MC</i>	DAS 6 9-89
646.2910 *646.2910* Deflector DAS 27 9-89		Manufactured	No			110	Each	2.0000	**	1		1/4/85 <i>MC</i>	DAS 6 9-89
Location CCK050 136136 Loc Qty 2 2 Loc Code													
646.3810 *646.3810* Bracket 27 9-89		Manufactured	No			110	Each	0.0000	**	2		1/4/85 <i>MC</i>	DAS 6 9-89
646.3510 *646.3510* Strut DAS 27 9-89		Manufactured	No			110	Each	0.0000	**	1		1/4/06 <i>MC</i>	DAS 6 9-89
646.3511 *646.3511* Strut DAS 27 9-89		Manufactured	No			110	Each	0.0000	**	1		1/4/25 <i>MC</i>	DAS 6 9-89

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Work Order ID: 140956

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140956

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

647.0112

Manufactured No

110 Each

55.0000

2

DAS

6

9-89

647 0112

Strut Bracket

DAS

27

9-89

Location

Loc Qty

Loc Code

CCK107

55

M130388

55

647.7703

Manufactured No

110 Each

8.0000

2

DAS

6

9-89

647 7703

Strut Assembly

DAS

27

9-89

Location

Loc Qty

Loc Code

CCK114

8

139295

8

NAS1149F0332P

Purchased No

110 Each

2,571.000

138

NAS1149F0332P

Washer

DAS

27

9-89

Location

Loc Qty

Loc Code

GA

396

m133709

396

ST260a

1500

m134055

1500

ST262

675

m133709

4

m133938

671

DAS

6

9-89

NAS1149 F0332P

DAS

27

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Work Order ID: 140956

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140956

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

110

Each

2,723.000

61

61

MS21042L3

Nut

**

Location

Loc Qty

Loc Code

CCK007

2000

m134039

2000

FP001

163

m133790

163

GA

195

m133790

195

ST304

365

m133790

365

FEB 29 2016

646.3110

Manufactured

No

110

Each

2.0000

1

646 3110

Channel

**

DAS
6
9-89

Location

Loc Qty

Loc Code

cck020

2

136492

2

646.3710

Manufactured

No

110

Each

9.0000

1

646 3710

Doubler

**

DAS
6
9-89

Location

Loc Qty

Loc Code

CCK002

9

127550

9

646.3210

Manufactured

No

110

Each

4.0000

1

646 3210

Support

**

DAS
6
9-89

Location

Loc Qty

Loc Code

cck020

4

136217

4

MAR 08 2016

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Work Order ID: 140956

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140956

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

646.3713

Manufactured No

110 Each

12.0000

1

646 3713

Gusset

**

DAS
6
9-89

WF

Location

Loc Qty

Loc Code

cck105

12

138216

12

MS24694-S51

Purchased No

110 Each

231.0000

5

MS24694-S51

Screw

**

DAS
6
9-89

WF

Location

Loc Qty

Loc Code

ST284

231

m130928

31

m133990

200

AN3-13A

Purchased No

110 Each

36.0000

1

AN3-13A

Bolt

**

DAS
6

FEB 29 2016

WF

Location

Loc Qty

Loc Code

CA

3

m129682

3

GA

20

m127070

20

ST349

13

m131305

13

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Work Order ID: 140956

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140956

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-4A Purchased No 110 Each 332.0000 10 10

AN3-4A

Bolt

**

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003 250
m133990 250
ST350 82
m129682 10
m133694 72

10

DAS
6
9-89

CR3213-5-3 Purchased No 110 Each 116.0000 14 14

CR3213-5-3

Cherry Rivet

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST319 116
m130388 16
m132763 100

14

DAS
6
9-89

MS20470AD5-5.5 Purchased No 110 Each 1,070.000 8 8

MS20470AD5-5.5

Rivet

**

DAS

Location

Loc Qty

Loc Code

ST309 1070
123425 79
m134063 991

8

FEB 20 2016

646.3711 Manufactured No 110 Each 20.0000 1 1

646 3711

Clip

**

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105 20
120626 20

DAS
6
9-89

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Work Order ID: 140956

140956

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

646.3712

Manufactured No

110

Each

10.0000

646 3712

Clip

**

1

DAS

6

9-89

140787

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

10

120630

10

646.3811

Manufactured No

110

Each

6.0000

646 3811

Radius Block

**

1

DAS

6

9-89

140895

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK106

6

122938

6

AN3-6A

Purchased No

110

Each

402.0000

AN3-6A

Bolt

**

2

DAS

6

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

300

M133932

125

M134055

175

ST306

2

M131305

2

ST349

100

M133561

100

MS24694-S55

Purchased No

110

Each

129.0000

MS24694-S55

Screw

**

DAS

6

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST283

129

m132803

46

m133988

83

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Work Order ID: 140956

140956

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

646.3610 Manufactured No

110 Each 0.0000

646 3610

Filler

646.3714

Manufactured No

110 Each 2.0000

646 3714

Gusset

Location

Loc Qty

Loc Code

ckk105

2

120632

2

MS20470AD5-6

Purchased No

110 Each 960.0000

MS20470AD5-6

RIVET

Location

Loc Qty

Loc Code

CCK004

890

124089

890

ST309

70

105433

70

646.3812

Manufactured No

110 Each 0.0000

646 3812

Gusset Bracket

AN3-3A

Purchased No

110 Each 267.0000

AN3-3A

Bolt

Location

Loc Qty

Loc Code

ST350

267

m131624

101

m133833

66

m134034

100

**

**

**

**

**

1

1

8

2

4

DAS
6

DAS
6
9-89

DAS
6
9-89

DAS
6
9-89

FEB 27 2016

DAS
6
9-89

FEB 29 2016

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Work Order ID: 140956

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140956

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

646.3813

Manufactured No

110 Each

5.0000

646 3813

Strut Bracket

**

1

DAS

6

9-89

140119

MF

Location

Loc Qty

Loc Code

CCK106

5

127453

1

138267

4

MS20470AD5-7

Purchased No

110 Each

506.0000

MS20470AD5-7

Rivet

**

3

DAS

6

9-89

Location

Loc Qty

Loc Code

ST309

506

123425

506

MS21047-3

Purchased No

110 Each

225.0000

MS21047-3

Nut Plate

**

18

18

DAS

6

9-89

134166X15

MF

Location

Loc Qty

Loc Code

ST301

225

m133790

25

m133938

100

m134055

100

CCR264SS3-02

Purchased No

110 Each

352.0000

CCR264SS3-02

Rivet, Cherry

**

36

36

DAS

6

9-89

134134

MF

Location

Loc Qty

Loc Code

ST321

352

M133790

152

M134023

200

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Picklist Print

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Page 9

Work Order ID: 140956

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140956

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-5A

Purchased

No

110

Each

222.0000

2

2

AN3-5A

Bolt

★★

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

24

m133686

24

ST350

198

m133686

78

m134055

120

DAS
6
9-89

FEB 27 2016

646.3715

Manufactured

No

110

Each

17.0000

2

2

646.3715

Strut Doubler

★★

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

17

139892

17

DAS
6
9-89

MS27039-1-12

Purchased

No

110

Each

185.0000

6

6

MS27039-1-12

Screw

★★

DAS
27
9-89

Location

Loc Qty

Loc Code

over006

100

m133988

100

ST280

85

m133483

85

DAS
6
9-89
FEB 29 2016

646.3716

Manufactured

No

110

Each

6.0000

1

1

646.3716

Gauge Bracket

★★

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

6

136410

6

DAS
6
9-89

FEB 27 2016

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Work Order ID: 140956

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140956

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS20426AD5-7

Purchased

No

110

Each

1,057.000

2

2

DAS

6

9-89

MS20426AD5-7

RIVET

27
9-89

Location

Loc Qty

Loc Code

ST311

1057

M132767

14

M133922

1043

MS24694-S54

Purchased

No

110

Each

156.0000

2

2

DAS

6

9-89

MS24694-S54

SCREW

27
9-89

Location

Loc Qty

Loc Code

ST284

156

m133134

56

m134063

100

MS27039-1-21

Purchased

No

110

Each

371.0000

4

4

DAS

6

9-89

MS27039-1-21

Screw

27
9-89

Location

Loc Qty

Loc Code

over006

241

m127904

241

ST280

130

m127904

130

MS27039-1-20

Purchased

No

110

Each

170.0000

2

2

DAS

6

9-89

MS27039-1-20

Screw

27
9-89

Location

Loc Qty

Loc Code

ST280

170

124326

170

FEB 29 2016

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Work Order ID: 140956

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140956

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-19

Purchased

No

110

Each

333.0000

22

22

MS27039-1-19

Screw

**

DAS

6

9-89

FEB 2 0 2016

Location

Loc Qty

Loc Code

over006

250

m133932

100

m134055

150

ST280

83

m133938

83

Manufactured

No

110

Each

1.0000

0

1

646.3717

646 3717

Doubler

**

DAS

6

9-89

Location

Loc Qty

Loc Code

cck105

1

120633

1

Manufactured

No

110

Each

11.0000

2

2

646.3718

646 3718

Custom Washer

**

DAS

6

9-89

Location

Loc Qty

Loc Code

cck105

11

136223

11

Manufactured

No

110

Each

17.0000

2

2

646.3719

646 3719

Doubler

**

DAS

6

9-89

Location

Loc Qty

Loc Code

cck105

17

130801

17

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Work Order ID: 140956

140956

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-10

Purchased

No

110

Each

146.0000

2

2

MS27039-1-10

SCREW

**

134166

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

41

m128635

41

GA

50

m129541

50

ST280

55

m132677

55

MF

AN3-11A

Purchased

No

110

Each

173.0000

10

10

AN3-11A

Bolt

**

13424929

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

100

m133992

100

ST349

73

m133561

73

MF

600.0990

Purchased

No

110

Each

23.0000

1

1

6000990

Magnabond 6398 Part A

**

11/20/2016

DAS
27
9-89

Location

Loc Qty

Loc Code

CA2

12

M133800

12

PKG

11

M133938

11

MF

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Work Order ID: 140956

140956

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

646.3910 Manufactured No

110 Each 28.0000 4 4

646 3910

Shim

**

140272

DAS
6
9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

CCK106

28

136478

28

646.3911 Manufactured No

110 Each 60.0000 1 1

646 3911

Shim

**

DAS
6
9-89

Location

Loc Qty

Loc Code

cck104

17

126229

17

CCK106

43

126059

43

646.3912 Manufactured No

110 Each 12.0000 4 4

646 3912

Shim

**

140238

DAS
6
9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

CCK106

12

123143

2

124501

10

646.3913 Manufactured No

110 Each 99.0000 1 1

646 3913

Shim

**

DAS
6
9-89

Location

Loc Qty

Loc Code

cck023aq

81

126060

81

CCK106

18

124108

18

BAS
27
9-89

FEB 27 2016

Picklist Print

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Page 15

Work Order ID: 140956

140956

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-12A Purchased No 110 Each 85.0000 **** 2 2**

AN3-12A

Bolt

Location	Loc Qty	Loc Code
GA	2	
m129682	2	
ST349	83	
m133064	16	
m133234	67	

DAS
6
9-89

MS27039-1-16 Purchased No 110 Each 294.0000 **** 24 24**

MS27039-1-16

Screw

Location	Loc Qty	Loc Code
ST280	294	
m131317	8	
mm134023	286	

DAS
6
9-89

650.9201 Manufactured No 110 Each 11.0000 **** 2 2**

650 9201

Eyelet Bracket Assembly

Location	Loc Qty	Loc Code
cck127	11	
136606	11	

DAS
6
9-89

AN44-5A Purchased No 110 Each 24.0000 **** 2 2**

AN44-5A

Eyebolt

Location	Loc Qty	Loc Code
ST339	24	
m133790	12	
m133990	12	

DAS
6
9-89

FEB 09 2016

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Work Order ID: 140956

140956

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

AN665-34R

Purchased

No

110

Each

46.0000

2

2

AN665-34R

Clevis

DAS
27
9-89

Location

Loc Qty

Loc Code

ST330

46

M133523

26

M134029

10

st330

10

DAS
6
9-89

AN4C7A

Purchased

No

110

Each

104.0000

2

2

AN4C7A

BOLT

DAS
27
9-89

Location

Loc Qty

Loc Code

OVER002

20

m133523

20

ST340

14

m133363

14

ST345

70

m133790

20

m133990

50

DAS
6
9-89

NAS1149F0432P

Purchased

No

110

Each

1,588.000

4

4

NAS1149F0432P

WASHER

DAS
27
9-89

Location

Loc Qty

Loc Code

ST260a

1000

M133990

1000

ST262

463

M133938

463

st268

125

M132677

125

DAS
6
9-89

FED A A 7777

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Page 17

Work Order ID: 140956

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140956

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

110

Each

3,610.000

2 2

MS21042L4

Locknut

**

DAS
6
9-09

Location

Loc Qty

Loc Code

FP001

41

m133363

41

GA

26

m127813

26

ST007

1500

m134055

1500

ST303

1946

m133769

1946

ST305

97

m130922

97

DAS
27
9-09

AN316C4R

Purchased

No

110

Each

77.0000

2 2

AN316C4R

NUT

**

DAS
6
9-09

Location

Loc Qty

Loc Code

ST331

77

m133234

43

m133523

34

DAS
27
9-09

MS21042-3

MS21042L3

Purchased

No

110

Each

18.0000

2 2

MS21042-3

Nut / use MS21042L3

**

M134039

DAS
6
9-09

Location

Loc Qty

Loc Code

ST304

18

M129682

18

DAS
27
9-09

FEB 09 2016

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Work Order ID: 140956

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

140956

646 4001

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-13

Purchased

No

110

Each

316.0000

2

2

DAS

6

9-89

MS27039-08-13

Screw

**

Location

Loc Qty

Loc Code

ST278

316

124326

316

110

Each

33.0000

2

2

DAS

6

9-89

MS21042-08

MS21042L08

Purchased

No

110

Each

33.0000

2

2

DAS

6

9-89

MS21042-08

USE MS21042L08

**

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

110

Each

3,803.000

4

4

DAS

6

9-89

NAS1149FN832P

Purchased

No

110

Each

3,803.000

4

4

DAS

6

9-89

NAS1149FN832P

Washer

**

Location

Loc Qty

Loc Code

GA

2231

M133316

16

M133769

2215

ST262

1572

M133709

1572

110

Each

70.0000

5

5

DAS

6

9-89

MS24693-C278

Purchased

No

110

Each

70.0000

5

5

DAS

6

9-89

MS24693-C278

Screw

**

Location

Loc Qty

Loc Code

ST287

70

m133998

70

FEB 09 2016

Picklist Print

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Page 19

Work Order ID: 140956

140956

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 1/26/2016

Required Date: 3/7/2016

Start Qty: 1.00

Required Qty: 1.00

646.9410

Manufactured No

110

Each

0.0000

1

1

646 9410

Shim

*OK
to ship
without
mf
16-3-30*

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NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.
- 2 INSTALL F/N 14 WITH F/N 52 & 53.
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMASTER-CARR P/N 75935A651.
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.
- 5 REUSE FASTENERS FROM F/N 1.
- 6 USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.
- 7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.
- 8 INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.
- 9 NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

20160126

SH 140956

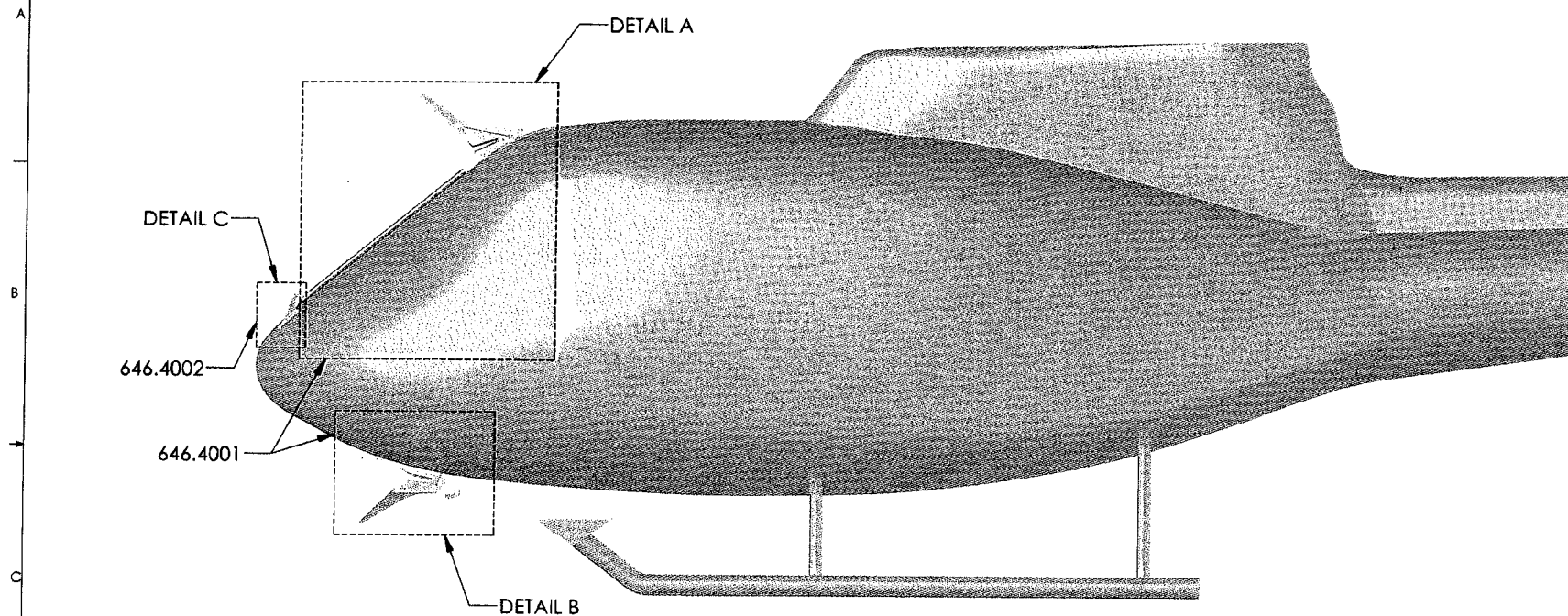
5	5	5	78	601.3875	SCREW	M5249P2278A				
1	1	1	77	646.9410	SHIM	△				
	4	4	76	601.2764	WASHER	NAS1149F0363P				
	2	2	75	601.2973	LOCKNUT	M521042-08				
	2	2	74	601.2988	SCREW	M527039-0813				
	2	2	73	601.2943	LOCKNUT	M521042-3				
	2	2	72	601.3128	NUT	AN31AC4R				
	2	2	71	601.3209	LOCKNUT	M521042L4				
	4	4	70	601.2638	WASHER	NAS1149F0433P				
	2	2	69	601.2669	BOLT	AN4C7A				
	2	2	68	601.3119	CLEVIS	AN665-34R				
	2	2	67	601.3121	EYE BOLT	AN44-5A				
	2	2	66	650.9201	EYE BRACKET ASSY					
REF	REF	REF	65	647.5701	GPS MOUNT KIT	△				
		2	64	601.3151	WASHER	NAS1149F0363P				
		2	63	601.2911	SCREW	M524694553				
	24	24	62	601.2637	SCREW	M527039-1-16				
2	2	2	61	601.2763	BOLT	AN3-12A				
	1	1	60	646.3913	SHIM					
	4	4	59	646.3912	SHIM					
	1	1	58	646.3911	SHIM					
	4	4	57	646.3910	SHIM					
	5	5	56	600.1013	PRIMER					
8 FT	8 FT	55	600.0129	VHB TAPE						
	1	1	54	600.1012	SEALANT	PP-1425 CLASS B				
	1	1	53	600.0991	MAGNOBOND 6398 PART B	△				
	1	1	52	600.0990	MAGNOBOND 6398 PART A	△				
6	10	10	51	601.2826	BOLT	AN3-11A				
		2	50	646.3814	WIPER BRACKET					
		2	49	601.2910	SCREW	M527039-1-18				
2		2	48	601.1365	SCREW	M527039-1-10				
2		2	47	646.3719	DOUBLER					
	2	2	46	646.3718	CUSTOM WASHER					
	1	1	45	646.3717	DOUBLER					
	22	2	44	601.1948	SCREW	M527039-1-19				
		2	43	601.1952	SCREW	M527039-1-20				
	4	4	42	601.1956	SCREW	M527039-1-21				
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN 02199, 02351, 02719 & 02745	02/06/2010	P. BRAVO
B	INCORPORATED ECN 03044, 03077 & 04731	11/04/2014	P. BRAVO
C	INCORPORATED ECN 05098	05/09/2015	P. BRAVO

			2	2	41	601.2829	SCREW	M524694554		
			2	2	40	601.2831	RIVET	M5204736ADS-7		
			1	1	39	646.3716	GAUGE BRACKET			
			6	6	38	601.1953	SCREW	M527039-1-12		
		2		2	37	646.3715	STRUT DOUBLER			
	2		2	2	36	601.2824	BOLT	AN3-5A		
12	36			36	35	601.2277	RIVET	CC920455-9-02		
6	18			18	34	600.0795	NUTPLATE	M521047-3		
3	3			3	33	601.2565	RIVET	M520470ADS-7		
1	1			1	32	646.3813	STRUT BRACKET			
4	4			4	31	601.2822	BOLT	AN3-3A		
2	2			2	30	646.3812	GUSSET BRACKET			
8	8			8	29	601.2564	RIVET	M520470ADS-6		
1	1			1	28	646.3714	GUSSET			
	1	1		1	27	646.3610	FILLER			
	3		3	3	26	601.2830	SCREW	M524694555		
	2		2	2	25	601.2825	BOLT	AN3-6A		
	1		1	1	24	646.3811	RADIUS BLOCK			
	1		1	1	23	646.3712	CLIP			
	1		1	1	22	646.3711	CLIP			
8		8		8	21	601.2832	RIVET	M520470ADS-5.5		
14		14		14	20	601.2020	RIVET	CR3213-5-3		
4	6	4	6	10	19	601.2823	BOLT	AN3-4A		
	1		1	1	18	601.2827	BOLT	AN3-13A		
	5		5	5	17	601.2912	SCREW	M524694551		
1		1			16	646.3713	GUSSET			
1		1			15	646.3210	SUPPORT			
		1			14	646.3710	DOUBLER			
	1		1		13	646.3110	CHANNEL			
14	10	8	53	6	61	601.1624	LOCKNUT	M521042L3		
16	32	18	120	16	144	601.1607	WASHER	NAS1149F0323P		
				1	10	646.3410	LH WIPER DEFLECTOR			
				1	9	646.3411	RH WIPER DEFLECTOR			
			2		2	8	647.7703	STRUT ASSY		
			2		2	7	647.0112	STRUT BRACKET		
		1		1	1	6	646.3511	STRUT		
		1		1	1	5	646.3510	STRUT		
2		2			2	4	646.3810	BRACKET		
			1		1	3	646.2910	DEFLECTOR		
		1		1	2	646.3001	LOWER CUTTER ASSY			
			1		1	646.3301	UPPER CUTTER ASSY			
X						646.4006	LOWER CUTTER FIXED PROVISIONS			
	X					646.4005	LOWER CUTTER REMOVABLE PROVISIONS			
		X				646.4004	FIXED PROVISIONS KIT			
			X			646.4003	CABLE CUTTERS KIT WITHOUT FIXED PROVISIONS			
				X		646.4002	AS350 WIPER DEFLECTOR KIT			
					X	646.4001	AS350 CABLE CUTTERS KIT			
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

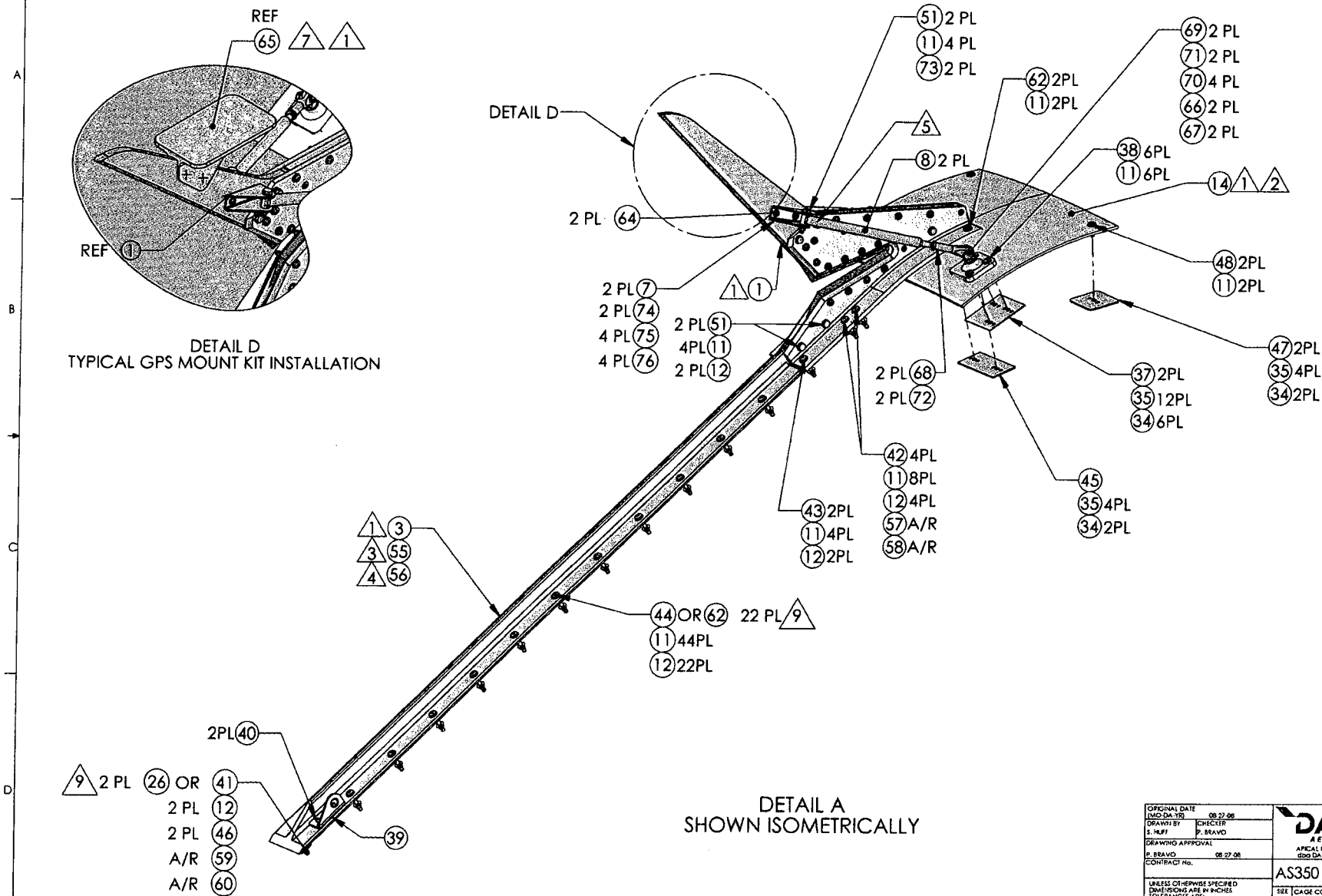
QTY	NEXT ASSY (S)	ORIGINAL DATE (W/D-DAY-YR)	06-27-06
		DRAWN BY S. HUFF	CHECKED BY P. BRAVO
		DRAWING APPROVAL P. BRAVO	
		CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.010 3 PLACE DECIMALS ±.005 ANGLES ±.1°		SIZE B	SCALE NONE
DART 3030 ENTERPRISE CT., SUITE A AEROSPACE VISTA, CA. 92081 APICAL INDUSTRIES, INC. (760)-724-5300		DWG. NO. 646.4000	REV. C
AS350 CABLE CUTTERS KIT		SHEET 1 OF 5	

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WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



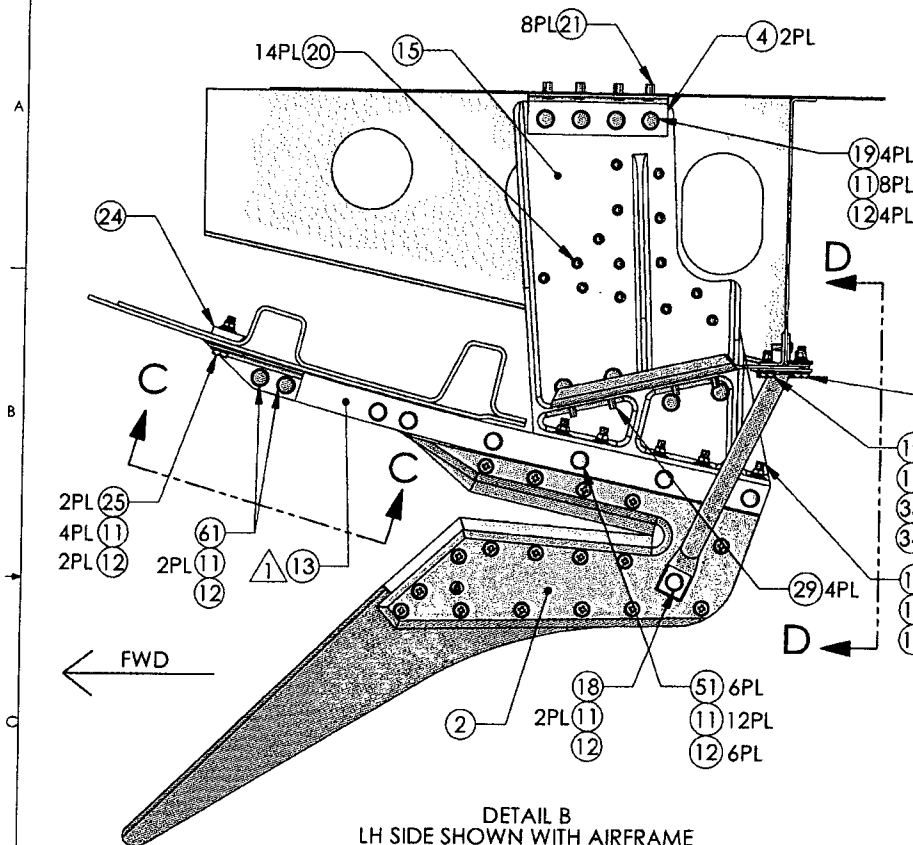
ORIGINAL DATE (M/D-YR) 06-27-08		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760) 724-5300	
DRAWN BY S. HUFF		CHECKED BY P. BRAVO	
DRAWING APPROVAL 06-27-08		APICAL INDUSTRIES, INC. DBA DART AEROSPACE	
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.010 3 PLACE DECIMALS ±.005 ANGLES ±.5°			
SIZE B	CAGE CODE 07ML6	DWG. NO. 646.4000	REV. C
SCALE NONE			SHEET 2 OF 5

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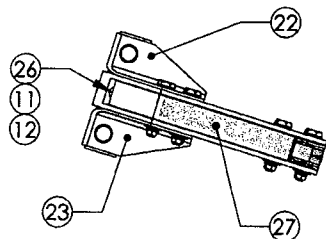


ORIGINAL DATE (MO-DA-YR) 08-27-08		 DART AEROSPACE APICAL INDUSTRIES INC. 6900 DART AEROSPACE		3030 ENTERPRISE CT. SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY S. HUFF CHECKED BY P. BRAVO					
DRAWING APPROVAL P. BRAVO 08-27-08					
CONTRACT No.		AS350 CABLE CUTTERS KIT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°					
SHEET B	CAGE CODE 07M26	DWG. NO. 646,4000	REV. C	SCALE NONE SHEET 3 OF 5	

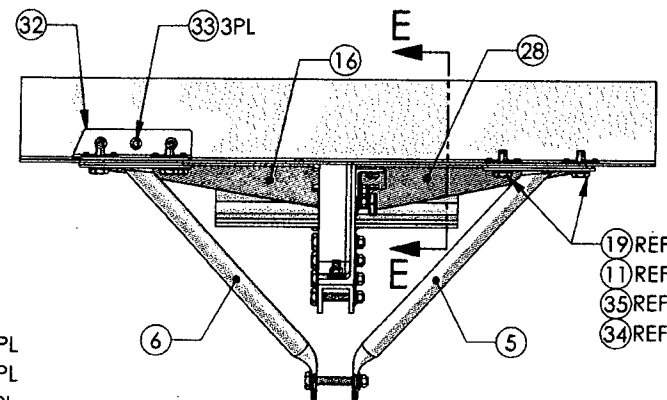
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPLICIT WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



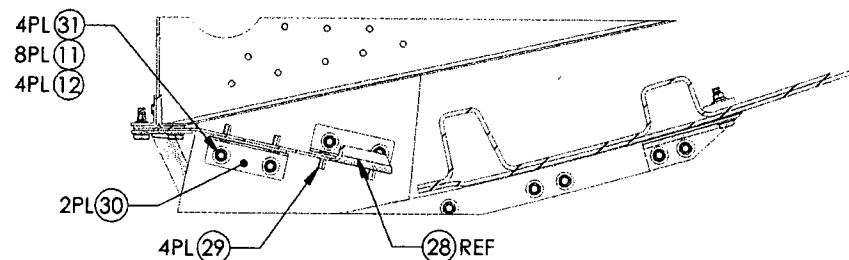
DETAIL B
LH SIDE SHOWN WITH AIRFRAME



SECTION C-C



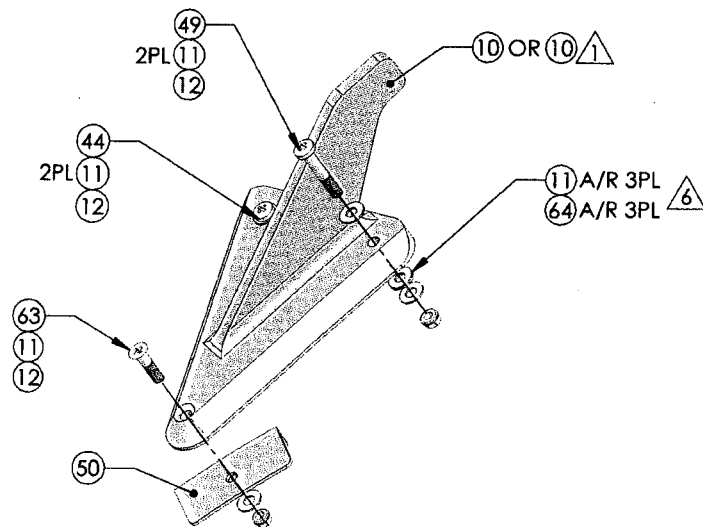
SECTION D-D
CUTTER HIDDEN FOR CLARITY



SECTION E-E

ORIGINAL DATE (REV-DATE) 08-27-08		DART 3030 ENTERPRISE CT., SUITE A AEROSPACE VISTA, CA 92081 APICAL INDUSTRIES, INC. (760)-724-5300 DBA DART AEROSPACE	
DRAWN BY S. WUFF	CHECKED BY P. BRAVO		
DRAWING APPROVAL P. BRAVO	DATE 08-27-08		
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.010 3 PLACE DECIMALS ±.005 ANGLES ±.5°			
AS350 CABLE CUTTERS KIT			
SIZE	CAGE CODE	DWG. NO.	REV.
B	07M26	646.4000	C
SCALE NONE		SHEET	4 OF 5

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DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPLICIT
WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE (MO.DA.YR) 06-27-08		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760) 724-5300	
DRAWN BY S. HUFF		P. BRAVO	
DRAWING APPROVAL P. BRAVO		APICAL INDUSTRIES INC. DBA DART AEROSPACE	
CONTRACT NO.		AS350 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLAC. DECIMALS ±0.010 3 PLAC. DECIMALS ±0.005 ANGLES ± 5°	SHEET B	CAGE CODE 07M26	DWG. NO. 646.4000
SCALE NONE		REV. C	
		SHEET 5 OF 5	

NOTES:

- R**

4075	4025	4034	4003	4002	4001	FIND #	PART #	DESCRIPTION	MAIL	SPEC
------	------	------	------	------	------	--------	--------	-------------	------	------

UNINCORPORATED ECN(S)

05304

C	NOCTHPOBATE: ECH (N598)	09/09/2015	F	P	BRAYC
---	-------------------------	------------	---	---	-------

4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.
------	------	------	------	------	------	--------	--------	-------------	------	-------

4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.
------	------	------	--------	--------	-------------	------	-------